

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Yuzo SENDA

Title: DECODING DEVICE OR ENCODING DEVICE HAVING  
INTERMEDIATE BUFFER INTERPOSED BETWEEN AN  
ARITHMETIC CODE DECODER OR ENCODER AND A REVERSE  
BINARIZATION DEVICE OR BINARIZATION DEVICE

Appl. No.: Unassigned

Filing Date: 04/26/2006

Examiner: Unassigned

Art Unit: Unassigned

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

**RELEVANCE OF EACH DOCUMENT**

Document A1 is a U.S. counterpart of Document A5.

Document A2 is a U.S. counterpart of Document A8.

Documents A3 and A4 are U.S. counterparts of Document A11.

The relevance of Documents A5-A7, A9, A10, A16 and A17 is described in the present specification.

Documents A8 and A11-A15, listed on the attached PTO/SB/08, were cited as being relevant during the prosecution of the corresponding International application. A copy of the International Search Report is attached setting forth the portion of each document considered relevant by the examiner. An English translation of the foreign-language documents is not readily available; however, the absence of a translation or an English-language counterpart document does not relieve the PTO from its duty to consider any submitted document (37 CFR §1.98 and MPEP §609). English language abstracts are attached.

Applicant respectfully requests that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

10/577146

Atty. Dkt. No. 040373-0383

AP20 Rec'd CTA TO 26 APR 2006

Although Applicant believes that no fee is required for this Request, the Commissioner is hereby authorized to charge any additional fees which may be required for this Request to Deposit Account No. 19-0741.

Respectfully submitted,

Date: April 26, 2006

FOLEY & LARDNER LLP  
Customer Number: 22428  
Telephone: (202) 672-5407  
Facsimile: (202) 672-5399

By Phillip J. Artale Reg. No. 38,819  
for / David A. Blumenthal  
Attorney for Applicant  
Registration No. 26,257

10/28/2006

26 APR 2006

MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: April 26, 2006  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	Unassigned
				Filing Date	04/19/2006
				First Named Inventor	Koichi TERASHIMA
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
				Attorney Docket Number	040373-0382

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	6,677,869	B2	HORIC	01-13-2004	
	A2	6,373,408	B2	KIMURA et al.	04-16-2002	
	A3	6,118,900		YOKOSE et al.	09-12-2000	
	A4	6,072,909		YOKOSE et al.	06-06-2000	

**U.S. PATENT APPLICATION DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Application Document		Name of Patentee or Applicant of Cited Document	Filing Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Serial Number	Kind Code <sup>2</sup> (if known)			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A5	JP	2003-209699	A	PANASONIC COMM. CO.	07-25-2003		A
	A6	JP	2001-230935	A	CANON INC.	08-24-2001		A
	A7	JP	2000-350043	A	MATSUSHITA GRAPHIC COMM. SYSTEMS INC.	12-15-2000		A
	A8	JP	2000-299641	A	MITSUBISHI ELECTRIC CORP.	10-24-2000		A
	A9	JP	11-055531		RICOH CO. LTD.	02-26-1999		A
	A10	JP	09-130617		NEC IC MICROCOM SYST	05-16-1997		A
	A11	JP	09-009256		FUJI XEROX CO. LTD.	01-10-1997		A
	A12	JP	06-097834		NIPPON TEL & TELEP	04-08-1994		A
	A13	JP	05-176187		FUJITSU LTD.	07-13-1993		A

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A14	T. SUZUKI, "MPEG-4AVC/H.264 no Gaiyo to Hyojunka Doko," Information Processing Society of Japan, Kenkyu Hokoku, Vol. 2002, No. 106, pp. 69-73, 15 November 2002.	
	A15	D. MARPE, "Context-based Adaptive Binary Arithmetic Coding in the H.24/AVC Video Compression Standard," IEEE Transactions on Circuits and Systems for Video Technology, Vol. 13:7, pp. 620-636, July 2003	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: April 26, 2006  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b> Application Number: <b>04/0577146</b> Filing Date: <b>04/19/2006</b> First Named Inventor: <b>Koichi TERASHIMA</b> Group Art Unit: <b>Unassigned</b> Examiner Name: <b>Unassigned</b> Attorney Docket Number: <b>040373-0382</b>	
Sheet	2	of	2		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A16	D. MARPE et al., "Context-based Adaptive Binary Arithmetic Coding in JVT/H.26L," 2002 IEEE International Conference on Image Processing, pp. II-513-II-536.	
	A17	D. MARPE et al., "Video Compression Using Context-based Adaptive Arithmetic Coding," 2001 IEEE International Conference on Image Processing, pp. 558-561.	

Examiner Signature	Date Considered	
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<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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